



OFFSET PROGRAM - EXECUTIVE SUMMARY

CAS

CAS is a privately held company established in 1992 for the purpose of providing real time and embedded solutions, including turnkey systems for monitoring and control, software development for real time distributed systems including flight inspection and navigation, consultation and training, and development of technical documentation.

CAS has completed a variety of highly complex projects for both government and industry in Poland, including an flight inspection system for ground radio navigation facilities; a distributed system for pollution emission monitoring for power plants; a telemetric system designed for remote monitoring and control of unmanned pumping station for a power plant group; a computer-aided control system for one of the largest coal mines in the world; computer system integration for large-format visualization of information for industrial networks; the design of approach lighting systems for an airport; various factory automation and monitoring systems; implementation of communication protocols; and development of unique software of real-time distributed systems. CAS has international experience, including distribution/representative agreements with both U.S. and Denmark based companies.

CAS is interested in a number of additional opportunities to cooperate with U.S. based companies, including but not necessarily limited to the following (more fully described in attachment to this document):

- ❑ Cooperation with OEM or VAR partners who can more fully utilize CAS services and software packages such as software development for real time distributed industrial and communication applications. CAS has ready-to-use technology of embedded software development, extensive software libraries containing more than 1million lines of source code in high level language developed by CAS to develop real-time distributed systems;
- ❑ Localization/customization of similar products for U.S. companies;
- ❑ Distribution and licensing of U.S. products for Poland and the European market as a whole. Poland's recent accession to the EU will provide unique opportunities for Polish-U.S. cooperative ventures to address EU markets at lower cost. CAS has received the necessary approvals to access NATO restricted documents;
- ❑ Consulting (System Development); and
- ❑ Software Research and Development (Cooperative Development).

CAS was founded by Mariusz Postol, PH.D (mpostol@cas.com.pl), an internationally published author of numerous papers and lectures. CAS employs between 10-50 engineers, depending on project needs. Extensive references are available upon request.

For more information on CAS and its capabilities, please visit their website: <http://www.cas.com.pl> or contact Hannah Nokes at IC2 Institute (512) 305-0193, hnokes@icc.utexas.edu or Kelly Terry at Dolphin Group Technologies, Inc. 210.691.0616, Kelly@dgti.com.

CAS Technology Specializations

Software development for real time distributed industrial and communication applications: Protocol implementations, signal processing, communication servers, OPC servers, concurrent programming, driver development, embedded systems and remote debugging, database reporting, COM+ servers and clients.

Navigation aids inspection systems: development of integrated GPS based airborne inspection systems evaluating accuracy and performance of the ground navigation facilities as well as simulators for testing the airborne systems. (E.g. ILS, ILS associated approach marker beacons (MKR), VHF omni-directional range (VOR), Distance Measuring Equipment (DME), Non-Directional Beacon system (NDB), communication (VHF) and radar systems).

Communication Network Development: System integrations using high tech communication technologies (E.g. radio communication, satellite transponders, GSM/GPRS, trunked radio, ISDN, fiber optics, xDSL, television cable, etc); propagation modeling for radio communication systems; OPC servers for network applications.

Industrial Automation Systems (“turnkey” solutions): designing, completion, mounting, integration and launching of computer based automation systems – supervisory control and data acquisition systems (SCADA); human machine interface (HMI), programmable logic controllers (PLC), industrial and office networks using modern technologies like VLAN, public key infrastructure and VPN to assure safe operation, integration system for large-format visualization – dispatcher rooms with wall screens, real time data distribution via OPC servers, distributed data base systems, geographical information systems (GIS).

Consulting and System Development: feasibility study, concept development, system design, and development of testing programs.